

BR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
2MM10 #B	5858	TBD	SDPS	interface	TBD	un-verified				The ECS systems at the LaRC-DAAC shall ingest CERES Level 0 and quick-look data sets from SDPF.		
2MM10 #B	5863	TBD	SDPS	procedural	TBD	un-verified				The SDPF Level 0 and quick-look data sets for CERES shall contain quality and accounting information.	External-only requirement: Information only. No action is required by ECS.	
2MM10 #B	5879	TBD	SDPS	interface	TBD	un-verified				The SDPF Level 0 and quick-look data sets for CERES shall contain a detached SFDU header.		
2MM10 #B	5885	TBD	SDPS	interface	TBD	un-verified				SDPF shall send a notification to the ECS systems at the LaRC-DAAC upon availability of CERES Level 0 production or quick-look data.		
2MM10 #B	8273	mission critical	SDPS + CSMS	interface	demo	un-verified	demo	un-verified	96-1343A	The ECS		

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										systems at the LaRC-DAAC shall, after notification by SDPF, retrieve CERES Level-0 production and quick-look data by an agreed-upon file transfer protocol.		
MM10 #B	5894	TBD	SDPS	interface	TBD	un- verified				The ECS systems at the LaRC-DAAC shall ensure that CERES data has been received and validated.		
MM10 #B	5896	TBD	SDPS	interface	TBD	un- verified				The ECS systems at the LaRC-DAAC shall acknowledge successful receipt of a CERES data set from the SDPF.		
MM10 #B	5906	TBD	SDPS	interface	TBD	un- verified				Upon the ECS systems at the LaRC-DAAC, upon discovering an unprocessable data set during validation, the		

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										ECS and SDPF personnel shall assess the need for regeneration.		
2MM11 #B	5910	TBD		procedural	TBD	un- verified				SDPF shall regenerate/reprocess CERES Level 0 data for the ECS systems at the LaRC DAAC, for recovery purposes, as negotiated in order to avoid impacting SDPF support for on-orbit spacecraft.	External only requirement: Information only. No action is required by ECS.	
2MM11 #B	5913	TBD	SDPS	interface	TBD	un- verified				SDPF shall provide a CERES Level 0 data set to the ECS systems at the LaRC DAAC once per day within 24 hours of the last acquisition session.		
2MM11 #B	5917	TBD		procedural	TBD	un- verified				The SDPF shall retain CERES Level 0 data sets for five (5) days.	External only requirement: Information only. No action is required by ECS.	

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MM11 #B	5920	TBD	SDPS	interface	TBD	un-verified				The ECS systems at the LaRC DAAC shall receive CERES scheduled quick-look from SDPF 3 times per day plus occasional special quick-look data sets.		
MM11 #B	5922	TBD		procedural	TBD	un-verified				A CERES quick-look data set shall contain data received during a single spacecraft contact.	External only requirement: —— Information only. —— No action is required by ECS.	
MM11 #B	5924	TBD	SDPS	interface	TBD	un-verified				SDPF shall notify the ECS systems at the LaRC DAAC of availability of a CERES quick-look data set within 2 hours of the end of the acquisition session.		
MM11 #B	5926	TBD	SDPS	interface	TBD	un-verified				CERES special quick-look data collection and processing shall		

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										be scheduled with SDPF by human interaction.		
MM11 #B	5928	TBD	SDPS	interface	TBD	un-verified				Data collected and processed for CERES solar calibration shall be scheduled by human interaction.		
MM11 #B	2850	TBD	SDPS	interface	TBD	un-verified				ECS shall be able to process SDPF Level 0 and quick-look data sets in SPDF-defined format.		
MM11 #B	5930	TBD		procedural	TBD	un-verified				SDPF shall retain CERES raw data for 2 years.	External only requirement: Information only. No action is required by ECS.	
MM11 #B	6065	TBD	SDPS	interface	TBD	un-verified				SDPF shall send a notification to the ECS systems at the LaRC DAAC upon availability of predictive or definitive orbit data.		
MM12	5935	TBD	SDPS	interface	TBD	un-						

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#B						verified				The ECS systems at the LaRC-DAAC shall ingest predicted-orbit data from the SDPF.		
MM12 #B	-2875	TBD	SDPS	interface	TBD	un-verified				ECS shall be able to accept CERES simulated data from SDPF.		
MM20 #B	-5944	TBD	SDPS	interface	TBD	un-verified				The ECS systems at the MSFC-DAAC shall ingest LIS data from SDPF.		
MM20 #B	-5947	TBD	SDPS	procedural	TBD	un-verified				The SDPF Level 0 and quick-look data sets for LIS shall contain quality and accounting information.	External requirement: Information only. No action is required by ECS.	
MM20 #B	-5950	TBD	SDPS	interface	TBD	un-verified				The SDPF Level 0 and quick-look data sets for LIS shall contain a detached SFDU header.		
MM20 #B	-5953	TBD	SDPS	interface	TBD	un-verified				SDPF shall send a notification to the ECS systems		

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										at the MSFC DAAC upon availability of LIS Level 0 production or quick-look data.		
RMM20 #B	5957	TBD	SDPS + CSMS	interface	TBD	un-verified				The ECS systems at the MSFC DAAC shall, after notification by SPDF, retrieve LIS Level 0 production and quick-look data by an agreed upon file transfer protocol.		
RMM20 #B	5959	TBD	SDPS	interface	TBD	un-verified				The ECS systems at the MSFC DAAC shall ensure that LIS data has been received and validated.		
RMM20 #B	5962	TBD	SDPS	interface	TBD	un-verified				The ECS systems at the MSFC DAAC shall acknowledge successful receipt of a LIS data set to the SPDF.		

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MM20 #B	5964	TBD	SDPS	interface	TBD	un-verified				Upon the ESC operations at the MSFC DAAC discovering an unprocessable data set during validation, the ECS and SDPF personnel shall assess the need for regeneration.		
MM21 #B	5966	TBD	SDPS	interface	TBD	un-verified				SDPF shall regenerate/reprocess LIS Level 0 data for the ECS systems at the MSFC DAAC, for recovery purposes, as negotiated in order to avoid impacting SDPF support for on-orbit spacecraft.		
MM21 #B	5968	TBD	SDPS	interface	TBD	un-verified				SDPF shall provide a LIS Level 0 data set to the ECS systems at the MSFC DAAC once per day within 24 hours of the last acquisition.		

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MM21 #B	5970	TBD		procedural	TBD	un- verified				SDPF shall retain-retrieved LIS Level 0 data sets for five (5) days.	External-only requirement: Information-only. No action is required by ECS.	
MM21 #B	5972	TBD	SDPS	interface	TBD	un- verified				The ECS systems at the MSFC DAAC shall receive LIS scheduled quick- look from SDPF 3 times per day plus occasional special quick-look.		
MM21 #B	5974	TBD		procedural	TBD	un- verified				A LIS quick-look data set shall contain data received during a single spacecraft contact.	External-only requirement: Information-only. No action is required by ECS.	
MM21 #B	5976	TBD	SDPS	interface	TBD	un- verified				SDPF shall notify the ECS systems at the MSFC DAAC of availability of a LIS quick- look data set within 2 hours of the end of the acquisition session.		
MM21	5978	TBD	SDPS	interface	TBD	un-						

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#B						verified				LIS-special quick-look data collection and processing shall be scheduled with SDPF by human interaction.		
MM21 #B	-2915	TBD	SDPS	interface	TBD	un- verified				ECS shall be able to process LIS Level 0 and quick-look data sets in SDPF-defined formats.		
MM21 #B	-5980	TBD		procedural	TBD	un- verified				SDPF shall retain LIS data for 2 years.	External only requirement. Information only. No action is required by ECS.	
MM21 #B	-6069	TBD	SDPS	interface	TBD	un- verified				SDPF shall send a notification to the ECS systems at the MSFC DAAC upon availability of predictive or definitive orbit data.		
MM21 #B	-5982	TBD	SDPS	interface	TBD	un- verified				The ECS systems at the MSFC DAAC shall ingest predicted orbit data from the SDPF.		

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MM22 #B	5985	TBD	SDPS	interface	TBD	un-verified				ECS systems at the MSFC DAAC shall ingest definitive orbit data from the SDPF.		
MM22 #B	2940	TBD	SDPS	interface	TBD	un-verified				ECS shall be able to accept LIS simulated data from SDPF.		
MM30 #B	8274	mission essential	SDPS	interface	test	un-verified	test	un-verified	96-1343A	The ECS systems at the GSFC shall ingest TRMM Ground Validation (GV) data products and associated metadata from TSDIS.		
MM31 #B	2968	TBD	SDPS	interface	TBD	un-verified				ECS shall make daily deliveries of an average of 2-days worth of archived TRMM PR, TMI, GV, and SSM/I ancillary data to TSDIS for the purpose of reprocessing by TSDIS. ECS also shall daily		

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										ingest an average of 2-days worth of reprocessed data from TSDIS.		
TRMM31 #B	-6012	TBD	SDPS	interface	TBD	un-verified				TRMM shall make a standing order to ECS for SSM/I data to be delivered from the ECS systems at the MSFC DAAC to TSDIS.		
TRMM31 #B	-6394	mission fulfillment	CSMS	interface	test	un-verified	test	un-verified		Communications between TSDIS and the ECS systems at the MSFC DAAC to transport the PR, TMI, and GV standard products, metadata, SSM/I ancillary data, algorithms, and documentation shall be provided by ESDIS.		
TRMM31 #B	-6017	TBD	SDPS	interface	TBD	un-verified				All data transferred between TSDIS and the ECS systems at the		

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										MSFC-DAAC, including GV, shall follow ESDIS-defined standards with specific product formats to be jointly agreed to and documented in ICDs.		
TRMM40 #B	-8275	mission essential	SDPS	interface	test	un-verified	test	un-verified	96-1343A	The ECS systems at the GSFC-DAAC shall ingest TRMM standard products (Level 1A-3B) for VIRS, PR and TMI, and combined products from TSDIS.		
TRMM40 #B	-8278	mission essential	SDPS	interface	test	un-verified	test	un-verified	96-1343A	The ECS systems at the GSFC-DAAC shall ingest TRMM browse products for VIRS, PR, TMI, combined products and GV from TSDIS.		
TRMM40 #B	-8279	mission essential	SDPS	interface	test	un-verified	test	un-verified	96-1343A	The ECS systems at the		

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										GSFC-DAAC shall ingest from TSDIS algorithms and documentation for VIRS, PR, TMI, and combined products.		
TRMM40 #B	-8280	mission essential	SDPS	interface	test	un-verified	test	un-verified	96-1343A	The VIRS, PR, TMI, combined products and GV data ingested from TSDIS by ECS shall be archived at the ECS systems at the GSFC DAAC.		
TRMM40 #B	-6030	TBD	SDPS	interface	TBD	un-verified				The ECS systems at the GSFC DAAC shall ingest TRMM data files and data products, including metadata, daily.		
TRMM40 #B	-8281	N/A_procedural	N/A_procedural	procedural	not verified by ECS	N/A_procedural	not verified by ECS	N/A_procedural	96-1343A	TSDIS shall provide a schedule for reprocessing to the GSFC DAAC.		
TRMM40 #B	-8282	N/A_procedural	N/A_procedural	procedural	not verified	N/A_procedural	not verified	N/A_procedural	96-1343A	TSDIS shall		

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					by ECS		by ECS			provide status information to the ECS systems at the GSFC DAAC about delayed products.		
TRMM40 #B	8283	mission essential	SDPS	interface	test	un-verified	test	un-verified	96-1343A	ECS shall make daily deliveries of an average of 2-days worth of archived TRMM VIRS, PR, TMI and GV, and ancillary data to TSDIS for the purpose of reprocessing by TSDIS. ECS shall also daily ingest an average of 2-days worth of reprocessed data from TSDIS.		
TRMM41 #B	8284	mission essential	SDPS	interface	test	un-verified	test	un-verified	96-1343A	TSDIS shall make a standing order to ECS for ancillary data to be delivered from the ECS systems at the GSFC DAAC to TSDIS.		
TRMM41 #B	8300	mission essential	SDPS	interface	demo	un-verified	demo	un-verified	96-1343A	The ECS system at the GSFC		

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										DAAC shall accept data orders that TSDIS places on behalf of TSDIS Science Users (TSUs) by specifying TSDIS granule identifications.		
RMM41-8301 #B		mission essential	SDPS	interface	demo	un-verified	demo	un-verified	96-1343A	The ECS systems at the GSFC DAAC shall accept requests from TSDIS for the status of data orders that TSDIS has placed.		
RMM41-8302 #B		mission essential	SDPS	interface	demo	un-verified	demo	un-verified	96-1343A	ECS shall provide Level 0 Housekeeping data to TSDIS upon request.		
RMM41-8303 #B		mission essential	SDPS	interface	demo	un-verified	demo	un-verified	96-1343A	The ECS systems at the GSFC DAAC shall provide FDF definitive/predictive ephemeris/orbit, held by LaRC for CERES, on request.		
RMM41-8285 #B		mission essential	CSMS	interface	inspection	un-verified	analysis	un-verified	96-1343A	Communications		

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										between TSDIS and the ECS systems at the GSFC DAAC to transport the VIRS, PR, TMI, combined products and GV standard products, metadata, ancillary data, and algorithms and documentation shall be provided by ESDIS.		
TRMM41 #B	8286	mission essential	SDPS	interface	inspection	un-verified	inspection	un-verified	96-1343A	All data transferred between TSDIS and ECS systems at the GSFC DAAC, including GV shall follow ESDIS-defined standards, with specific product formats to be jointly agreed to and documented in ICDs.		
TRMM50 #B	3016	TBD	SDPS	interface	TBD	un-verified				ECS shall ingest TRMM metadata, and browse from TSDIS along with the TRMM		

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										standard products in the ECS format.		
TRMM50 #B	-3018	TBD	SDPS	interface	TBD	un-verified				Availability of TRMM data products (PR, VIRS, TMI, and GV) shall be based on the TSDIS product schedule, and an electronic status mechanism shall be available for late products.		
TRMM50 #B	-3021	TBD	SDPS	interface	TBD	un-verified				ECS shall have the capability to ingest directory and guide information from TSDIS.		
TRMM50 #B	-8287	mission essential	SDPS	interface	test	un-verified	test	un-verified	96-1343A	ECS shall have the capability to archive and distribute standard TRMM data files and products (including VIRS, PR, TMI, and combined products data, metadata, GV data, algorithms and		

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										documentation) as provided and produced by TSDIS and the TRMM Science Team.		
TRMM50 #B	3025	TBD	N/A	procedural	TBD	un-verified				TRMM shall support maintenance of a TRMM user model for use in the overall ECS user model.	External only requirement: Information only. No action is required by ECS.	
TRMM50 #B	8288	mission essential	SDPS	interface	demo	un-verified	demo	un-verified	96-1343A	ECS shall provide standard information management functions for browse, and order of data and products provided by TSDIS and delivered to the MSFC and GSFC DAACs (including VIRS, PR, TMI, and combined products data, metadata, GV data, TRMM Science Team algorithms and documentation).		

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TRMM50 #B	3029	TBD	SDPS	interface	TBD	un-verified				ECS will continue to archive original TRMM standard products (Level 1B-3) after reprocessing for 6 months, after which the products will become eligible for deletion.		
TRMM51 #B	8289	mission essential	SDPS	interface	demo	un-verified	demo	un-verified	96-1343A	ECS shall provide products status for TRMM products to users based upon ECS holdings.		
TRMM80 #B	3041	TBD	SDPS	interface	TBD	un-verified				TRMM shall manage, and ESDIS shall support, the TRMM end-to-end system testing of the interfaces between ECS and TRMM.		
TRMM80 #B	6048	TBD	SDPS		TBD	un-verified				ESDIS shall support testing, fault isolation, verification, and validation of the		

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										interfaces with the TRMM end-to-end ground system.		
TRMM80 #B	-6050	TBD			TBD	un-verified				The TRMM I&T Program shall develop an overall ground segment integration and test plans and procedures.		
TRMM80 #B	-6052	TBD			TBD	un-verified				ESDIS shall develop test plans and procedures in support of the development, verification, and testing of the interfaces with the TRMM ground system.		
TRMM80 #B	-6054	TBD			TBD	un-verified				ESDIS shall support TRMM development of test plans and procedures in support of the development, verification, and testing of the interfaces between the TRMM ground system and ECS.		

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